

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/001259 A1

(51) International Patent Classification⁷: **F02B 53/00**,
F01C 1/344, 19/02, 21/10, 11/00, 21/08

(21) International Application Number:
PCT/EP2004/006374

(22) International Filing Date: 14 June 2004 (14.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2003 A 001283 24 June 2003 (24.06.2003) IT

(71) Applicant and

(72) Inventor: PONTIGGIA, Alessandro [IT/IT]; Via Giorgio
Jan, 5, 20129 Milano (IT).

(74) Agents: RIPAMONTI, Enrico et al.; Ing. A. Giambro-
cono & C. S.R.L., Via R. Pilo, 19/B, I-20129 Milano (IT).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

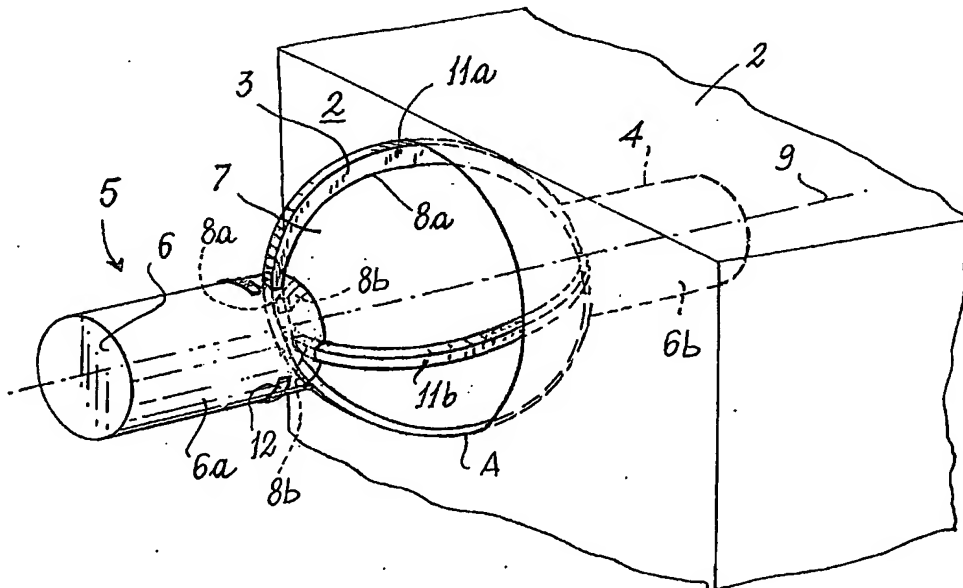
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ROTARY INTERNAL COMBUSTION ENGINE



(57) Abstract: A rotary engine comprising a stator (2) and a rotor (5), in which the stator (2) presents a chamber (3) the surface of which presents circular symmetry about a stator axis (10a) and the rotary (5) presents an axis of rotation (9) eccentric to the stator axis (10a) and is formed from a body (7) which is torsionally rigid with an output shaft (6), and of which the envelope presents circular symmetry about the axis of rotation (9), said envelope being similar to the stator chamber (3).